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Refine Search

Search Results -

Terms	Documents
L5 same (drug screening)	0

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L6

Refine Search

Recall Text | Clear | Interrupt

Search History

DATE: Thursday, January 11, 2007 Purge Queries | Printable Copy | Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ			
L6	L5 same (drug screening)	0	L6
L5	L2 same (diabetes)	2	L5
L4	L1 same (diabetes)	31	L4
L3	L2 same (lpf1 promoter or pdx1 promoter)	2	L3
L2	L1 same (transgenic)	4	L2
L1	(GPR40)	59	L1

END OF SEARCH HISTORY

```
L5            6 L4 AND PY<=2003

=> d his

     (FILE 'HOME' ENTERED AT 17:42:22 ON 11 JAN 2007)

     FILE 'MEDLINE, AGRICOLA, CAPLUS, SCISEARCH, BIOSIS' ENTERED AT 17:42:50
     ON 11 JAN 2007
L1          177 S (GPR40)
L2            1 S L1 AND (TRANSGENIC OR KNOCKOUT OR GENE DISRUPTION)
L3           58 S L1 AND (DIABETES)
L4           39 DUP REM L3 (19 DUPLICATES REMOVED)
L5            6 S L4 AND PY<=2003

=> d l2 ti so au ab

L2    ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2007 ACS on STN
TI    Medium and long chain fatty acids and eicosanoids activate G
      protein-coupled receptor GPR40 and regulate insulin secretion
      from pancreatic β cells
SO    PCT Int. Appl., 257 pp.
      CODEN: PIXXD2
IN    Hinuma, Shuji; Hosoya, Masaki; Ito, Yasuaki; Kobayashi, Makoto; Tanaka,
      Hideyuki; Okubo, Shoichi; Fujii, Ryo; Kizawa, Hideki; Kawamata, Yuji; Ogi,
      Kazuhiro; Harada, Masataka; Fukusumi, Shoji
AB    Use of (1) a G protein-coupled receptor and (2) a fatty acid or an
      eicosanoid for screening compds. capable of modulating the binding of the
      above receptor-ligand interactions, as drug candidates or diagnostic
      agents, is disclosed.  Use of mammals, rodents in particular, more
      specifically mouse or rat and their ES cells, transformed with a
      GPR40 expression construct or GPR40 gene
      knockout reporter gene expression construct, for drug screening is
      claimed.  Use of antibodies or siRNA specific to GPR40 or
      encoding gene for diagnosis or therapy is also claimed.  Ligand fishing
      expts. in HEK293 cells expressing human GPR40 revealed that a
      range of saturated and unsatd. carboxylic acids with carbon chain lengths
      greater than six were able to induce an elevation of [Ca2+]i, measured
      using a fluorometric imaging plate reader.  Expression anal. by quant.
      reverse transcription-PCR showed that GPR40 was specifically
      expressed in pancreas, with expression in rodent pancreas being localized
      to insulin-producing β-cells.  A G-protein-coupled receptor,
      GPR40, which is abundantly expressed in the pancreas, functions as
      a receptor for long-chain free fatty acids (FFAs).  Furthermore, the
      authors show that long-chain FFAs amplify glucose-stimulated insulin
      secretion from pancreatic β cells by activating  GPR40.  The
      authors' results indicate that GPR40 agonists and/or antagonists
      show potential for the development of new anti-diabetic drugs.  The
      authors also cloned GPR40 cDNA from rat, mouse, monkey, and
      hamster.


=> d l5 1-6  ti so au ab pi
```

Limits: **Entrez Date to 2003/08/18**

- Search History will be lost after eight hours of inactivity.
- Search numbers may not be continuous; all searches are represented.
- To save search indefinitely, click query # and select Save in My NCBI.
- To combine searches use #search, e.g., #2 AND #3 or click query # for more options.

Search	Most Recent Queries	Time	Result
#9	**Related Articles** for **PubMed** (Select **12629551**)	17:31:48	137
#8	Search **(GPR40) and (diabetes)** Limits: **Entrez Date to 2003/08/18**	17:30:15	1
#7	Search **(GPR40) and (diabetes)**	17:29:36	7
#6	Search **(GPR40) and (transgenic or knockout)**	17:29:02	0
#5	Search **(GPR40) and (transgenic)**	17:27:58	0
#1	Search **GPR40**	17:19:05	30

Clear History